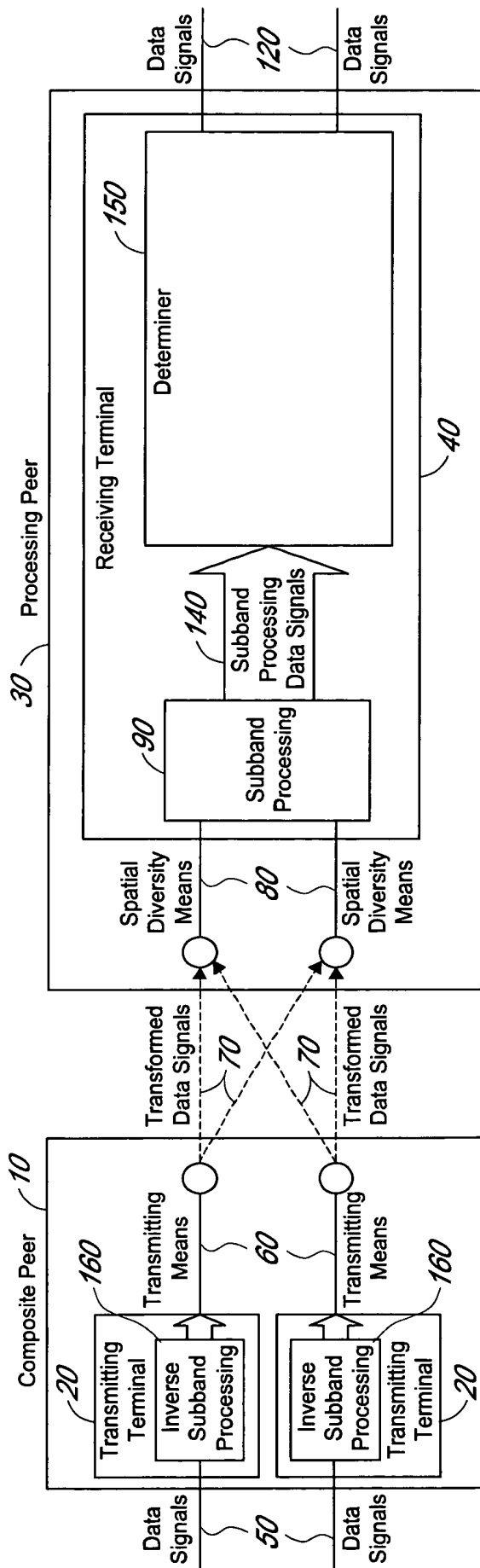
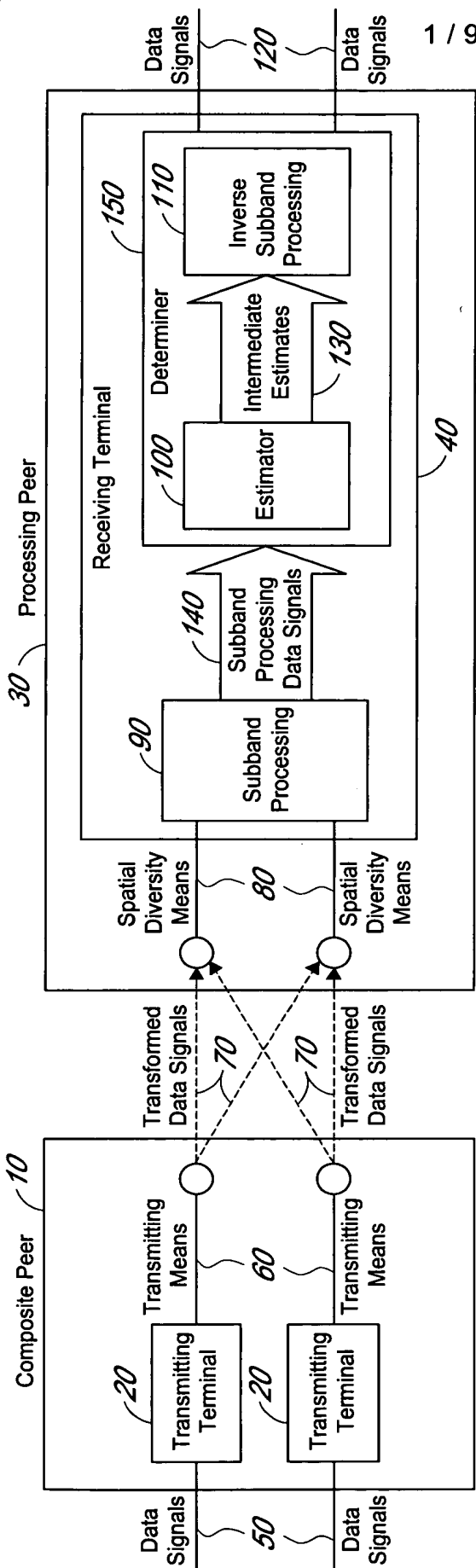


METHOD AND APPARATUS FOR MULTI-USER TRANSMISSION

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FIG. 1



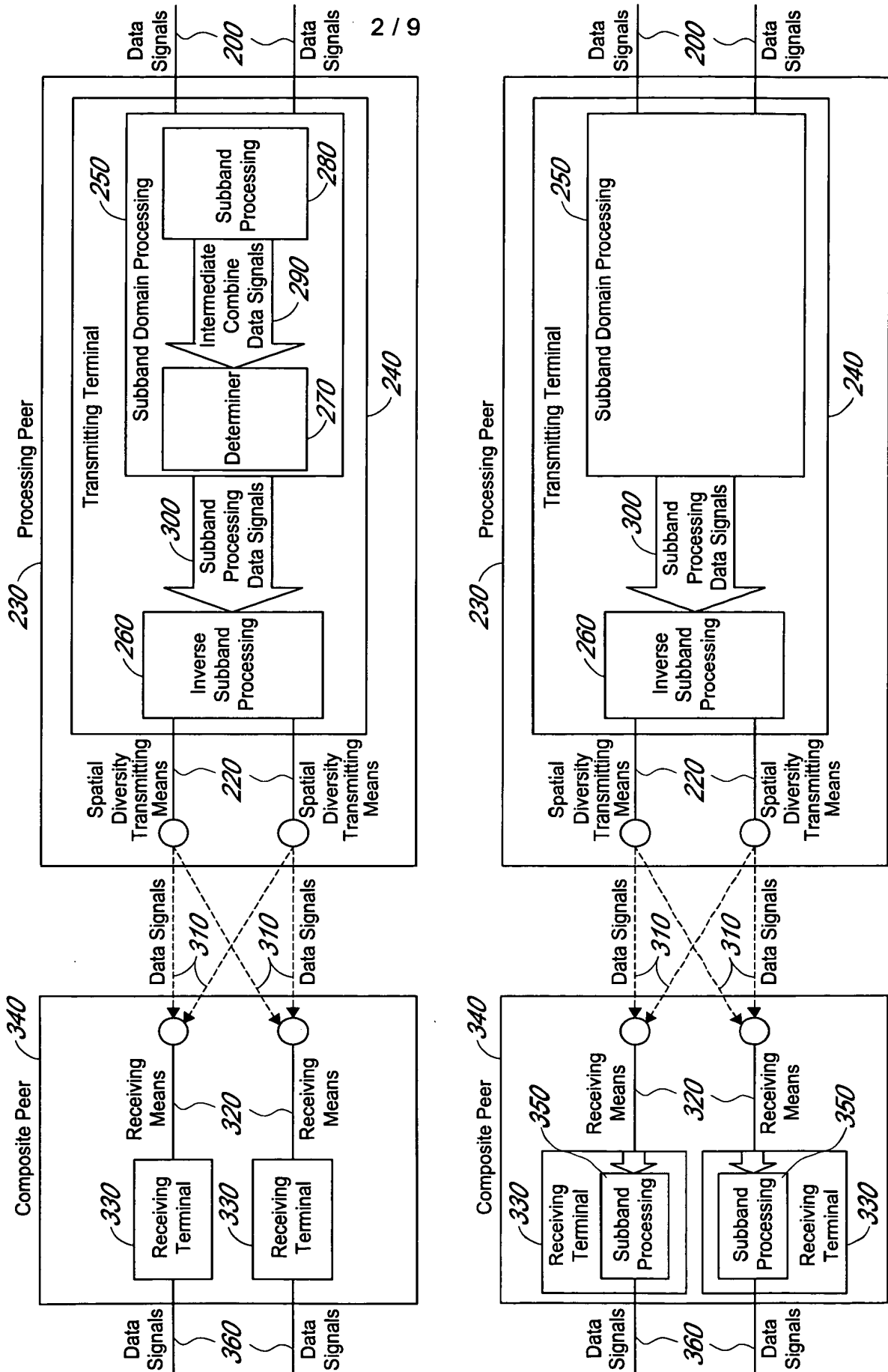


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FIG. 2



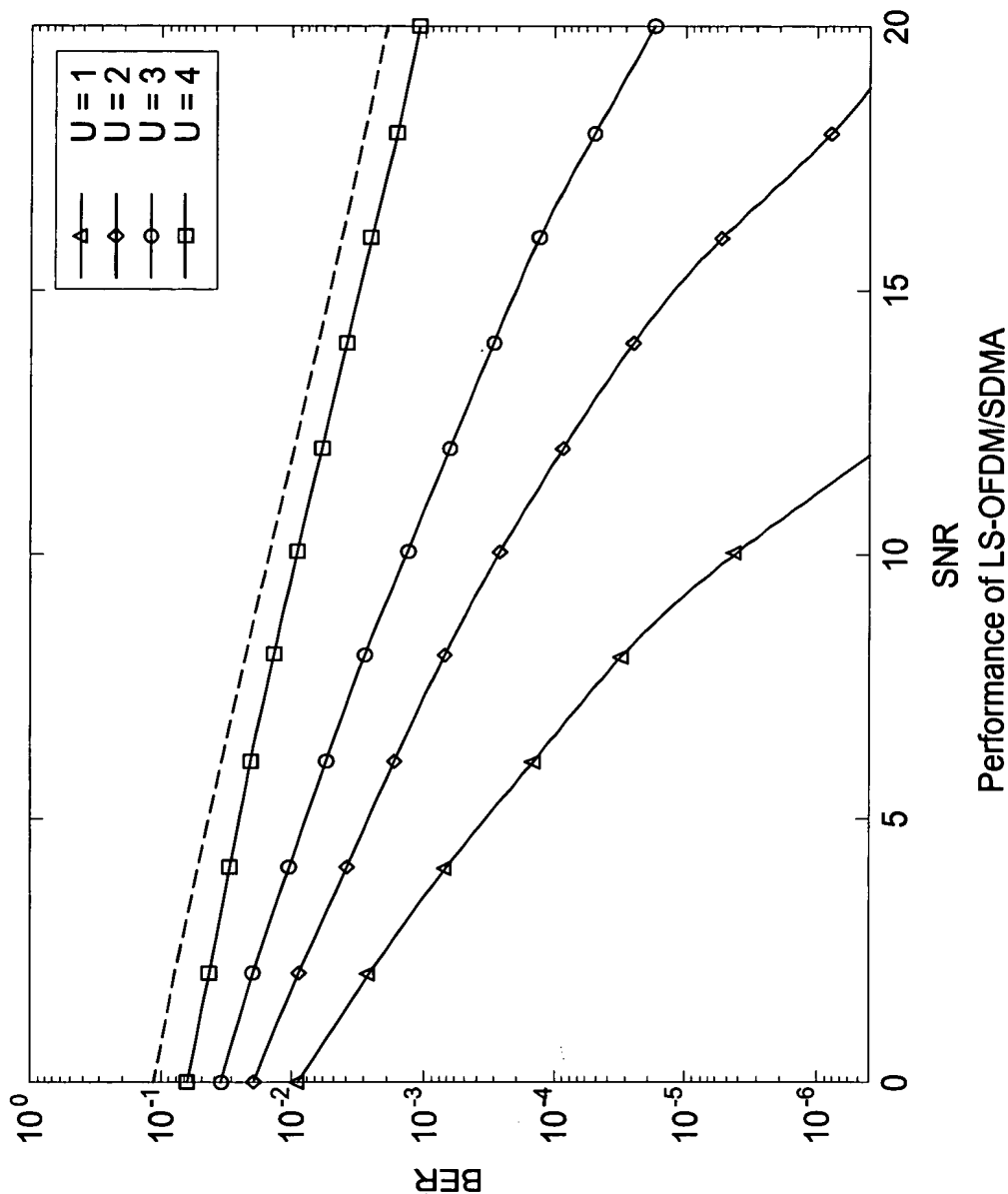


FIG. 3



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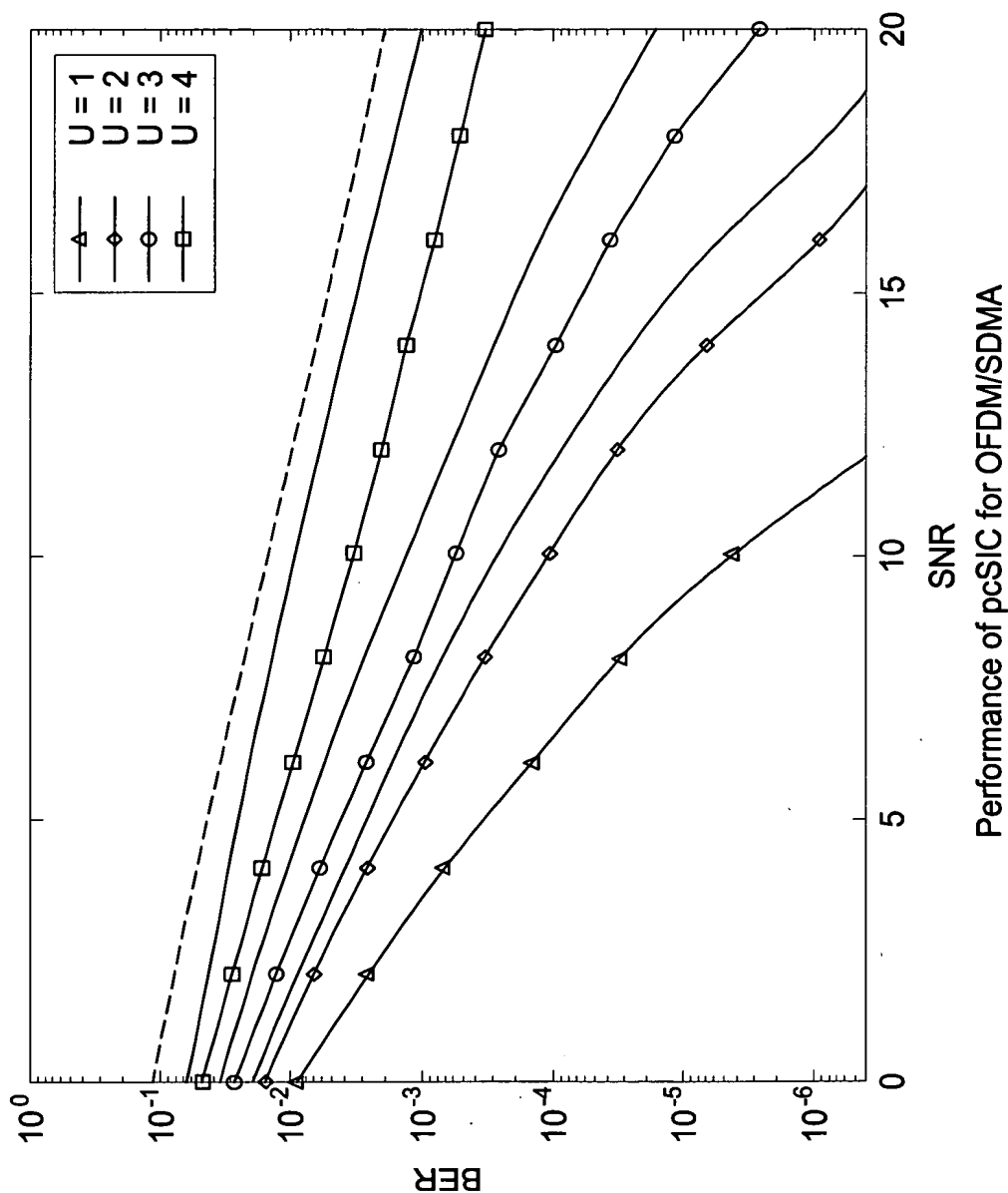
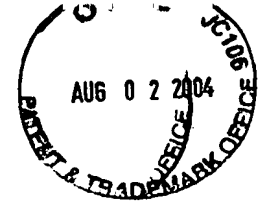


FIG. 4



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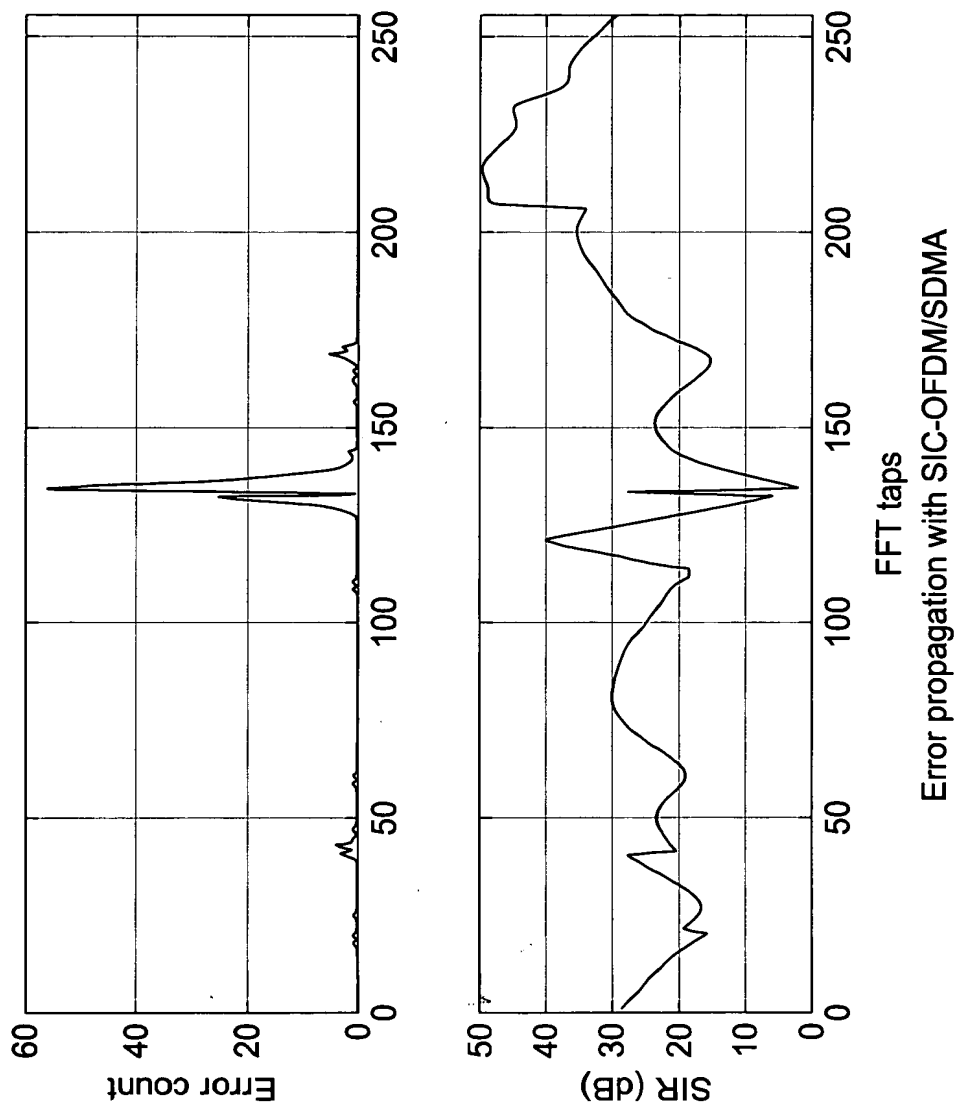
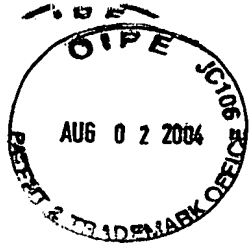


FIG. 5



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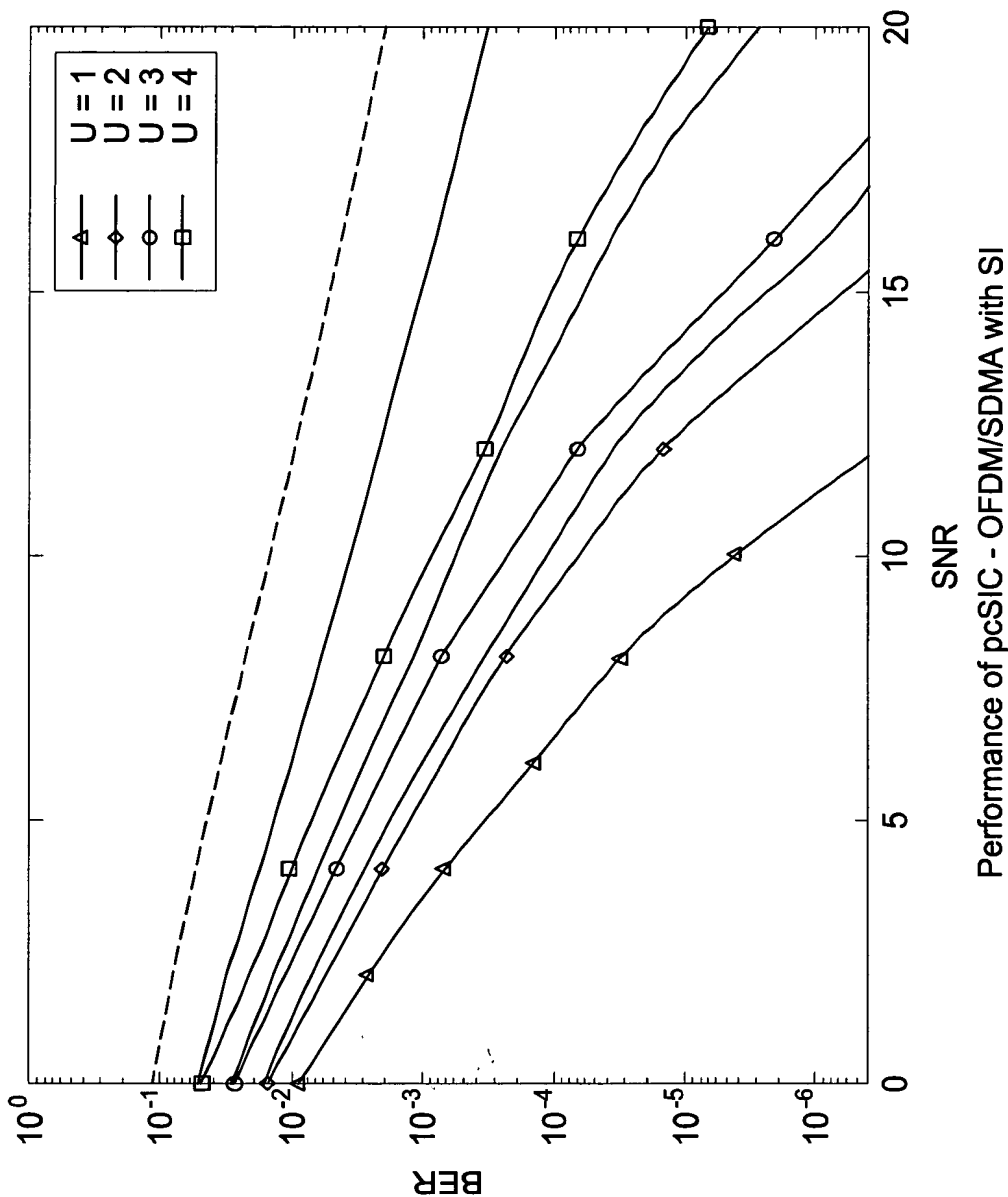


FIG. 6

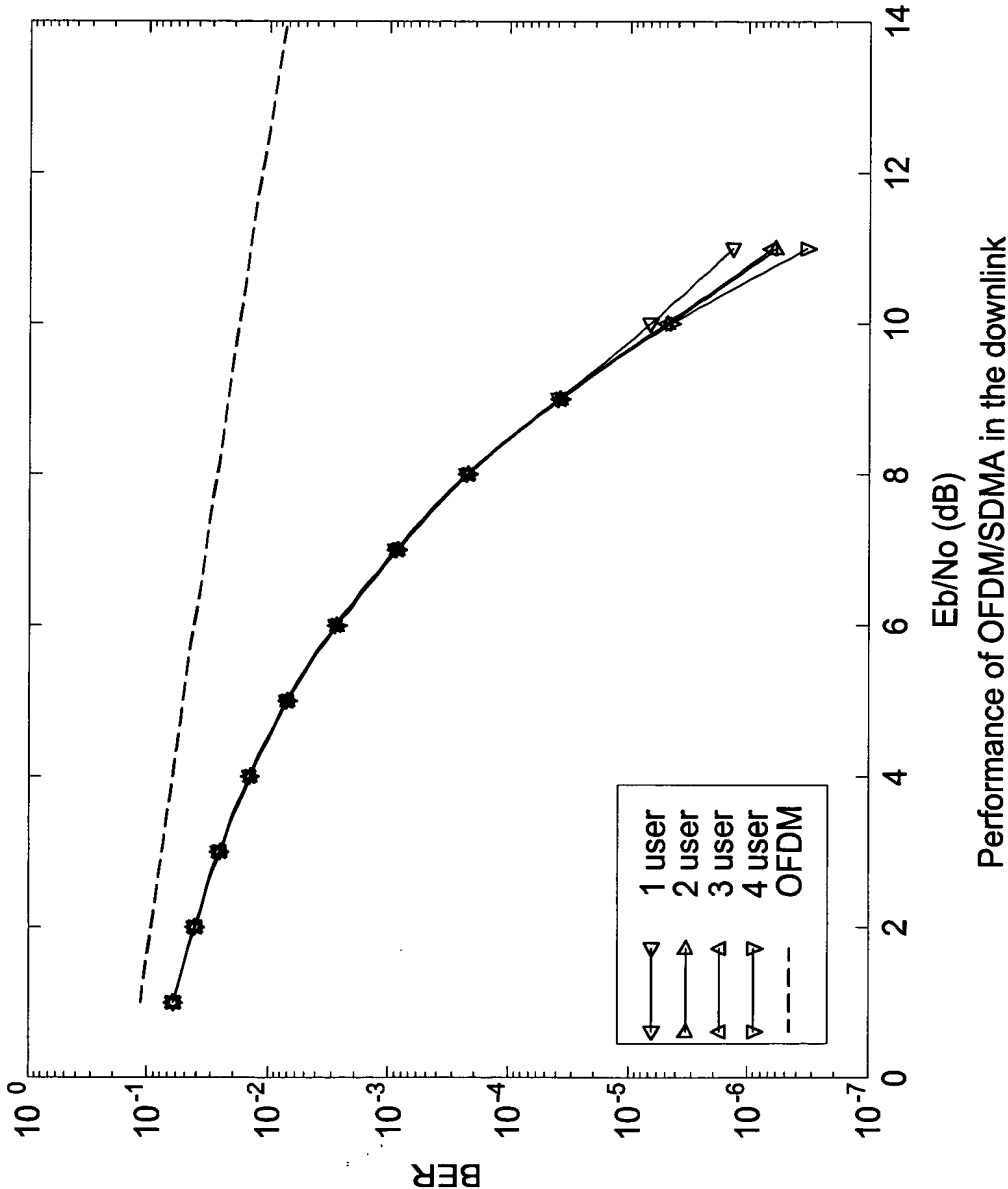
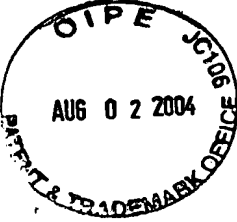


FIG. 7



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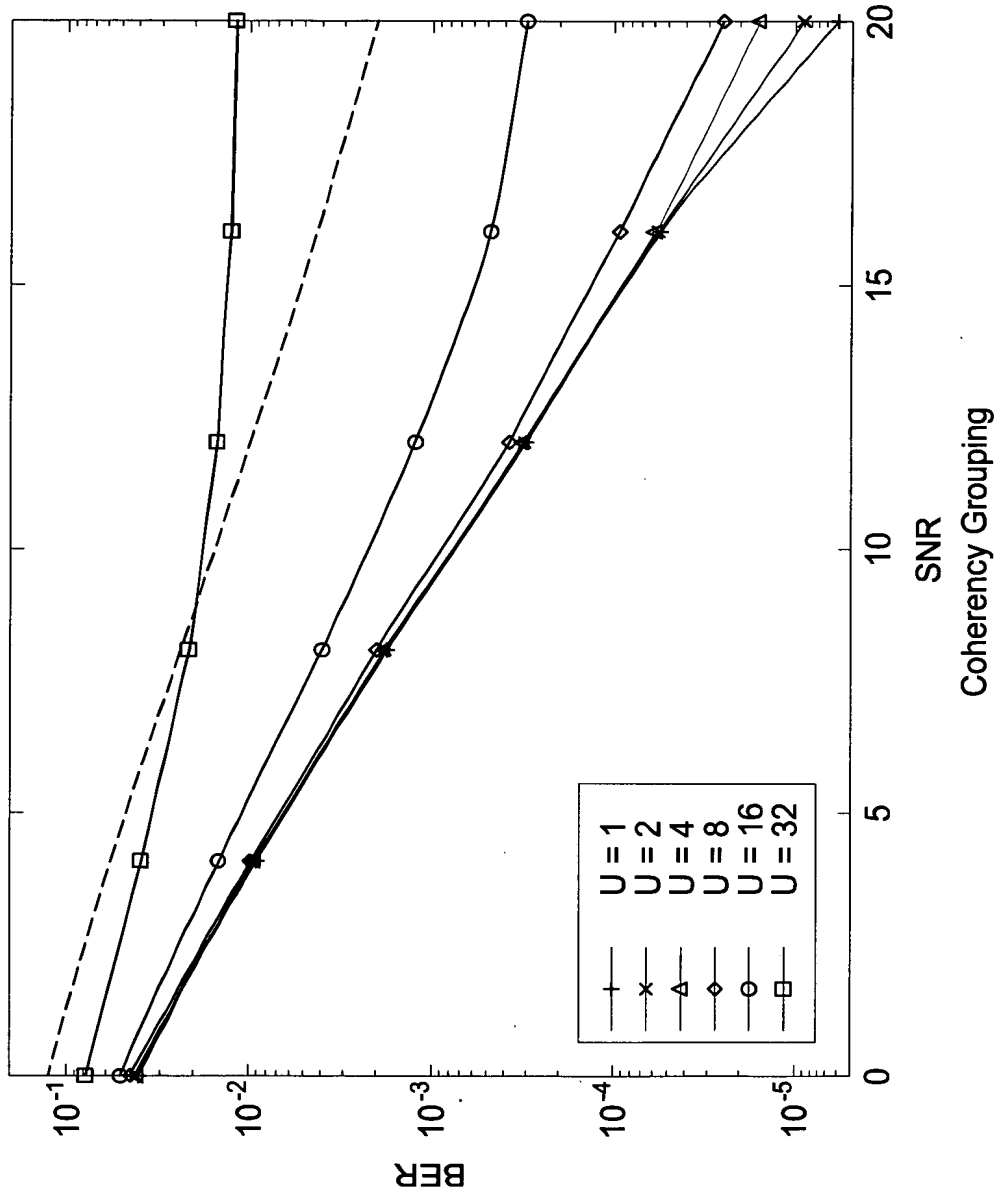


FIG. 8



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LS-OFDM/SDMA operation count

	initialization	processing
multiplications	$A^3/3 + 2A^2U$	AU
additions	$A^3/3 + 2A^2U$	AU
data transfers	$A^3 + 9A^2U$	$6AU$

FIG. 9

pcSIC-OFDM/SDMA operation count

	initialization	processing
multiplications	$A^3U/3 + 12A^2U$	$2AU - A$
additions	$A^3U/3 + 12A^2U$	$2AU - A$
data transfers	$A^3U/3 + 24A^2U$	$10AU - 4A$

FIG. 10

additional operation count for SI

	initialization	processing
multiplications	$AU^2/2$	$2 (M/N AU + A)$
additions	$(AU^2 + N) / 2$	$2 (M/N AU + A)$
data transfers	$AU^2 + N / 2$	$10 (M/N AU + A)$

FIG. 11